

## Description of HMRC Club Layout

The overall concept for Phase I of the Club layout is shown in Figure 1, with north to the right. The total floor area of the L-shaped Club space is about 1955 square feet. Six viewing windows along the west wall allow visitors to the Antique Car Museum of Iowa to view activities within the space. A Display Layout is located in the northwest section and has a double-track dogbone loop that is separate from the track for the Club Layout. Push buttons on the Museum side of the wall allow visitors to run the two trains on the Display Layout.

The Club layout is designed to allow operation and has a Midwestern theme in an era that is yet to be defined. Benchwork is based on the L-girder method, the subroadbed is ½-in. plywood, and the roadbed is ½-in. Homasote. Track is Walthers and Atlas code 83. A Northcoast Engineering digital command system is used to operate trains. Train lengths of 15 ft can be accommodated in staging, yards, and passing tracks.

Phase I is currently under construction and includes a major yard along the south wall (shown in Figure 2), a peninsula with a four-track passenger terminal and staging, a branchline to an industrial/town area, and track along the west wall with a temporary cutoff forming a loop by the Display Layout. The yard contains three double-ended arrival/departure tracks, a run-through track, and five stub-ended classification tracks. The passenger terminal contains four tracks and a two-track return that serves as staging for passenger trains. Plans for the track and scenery for the branchline and window areas are being developed. Two tracks labeled "Down to staging" in Figure 1 go to staging tracks located under the yard and peninsula.

The track plan for the staging areas is shown in Figure 3. Two tracks from the upper deck, shown to the left, provide access to six stub-ended tracks and ten double-ended tracks. The track plan allows trains to be reversed as needed and to return from the track to which they arrived.

Figure 1 Overall view of track plan

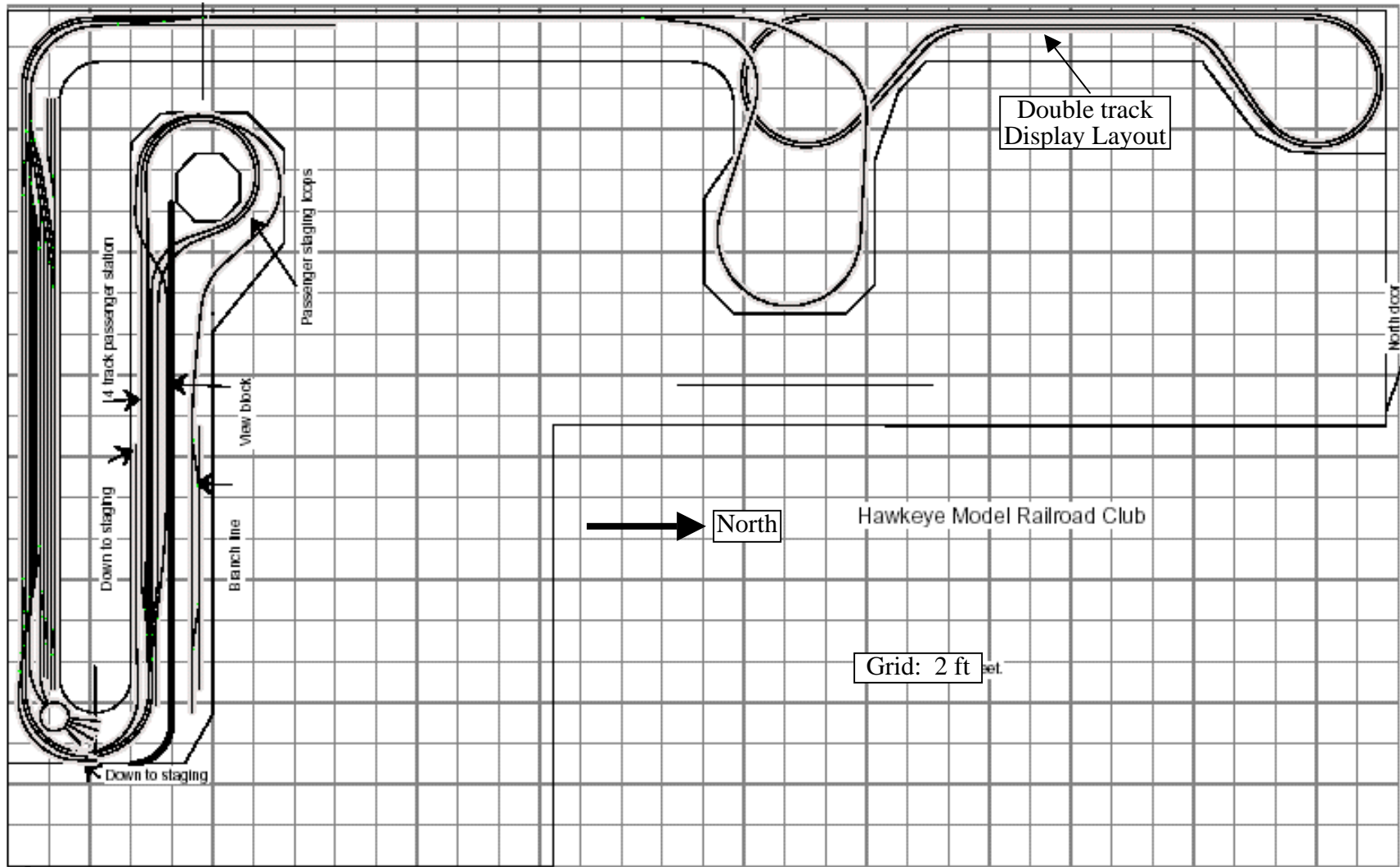


Figure 2 Expanded view of yard, passenger terminal, and branchline

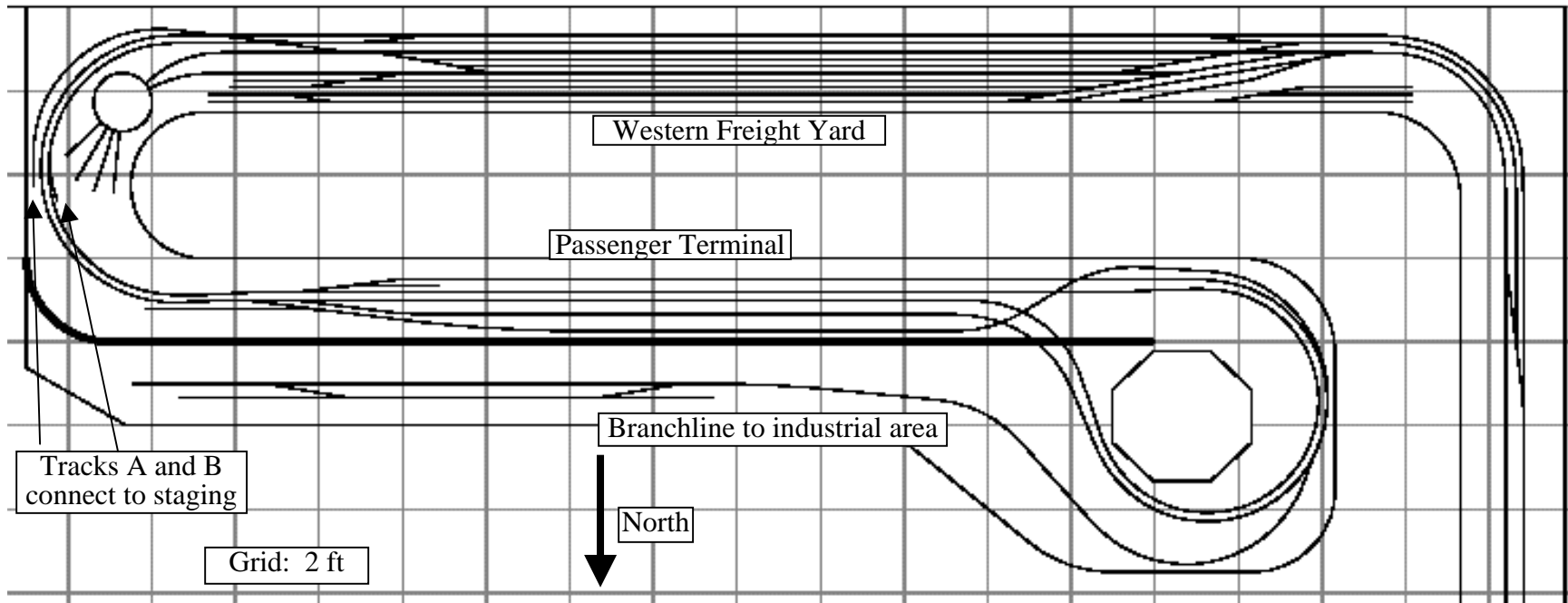
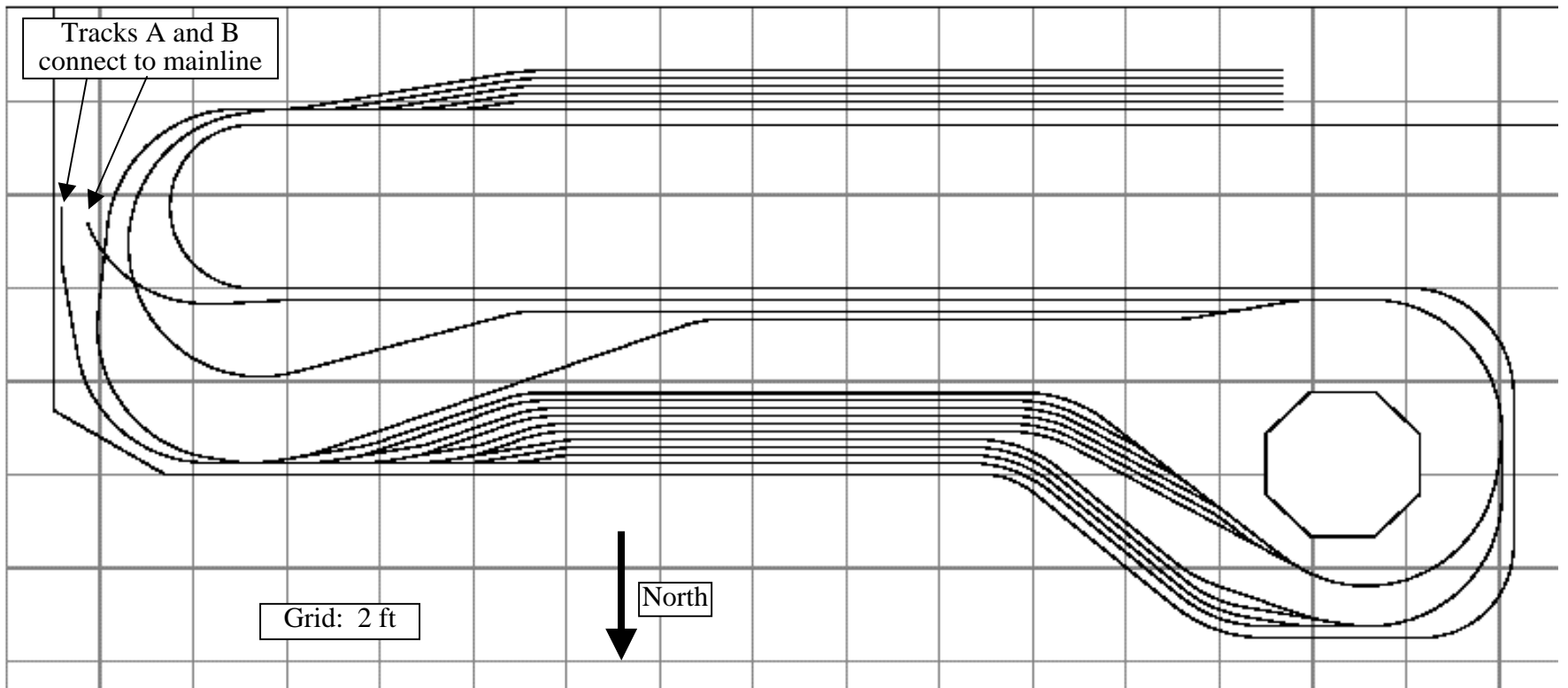


Figure 3 View of staging tracks



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